App No.: NEW

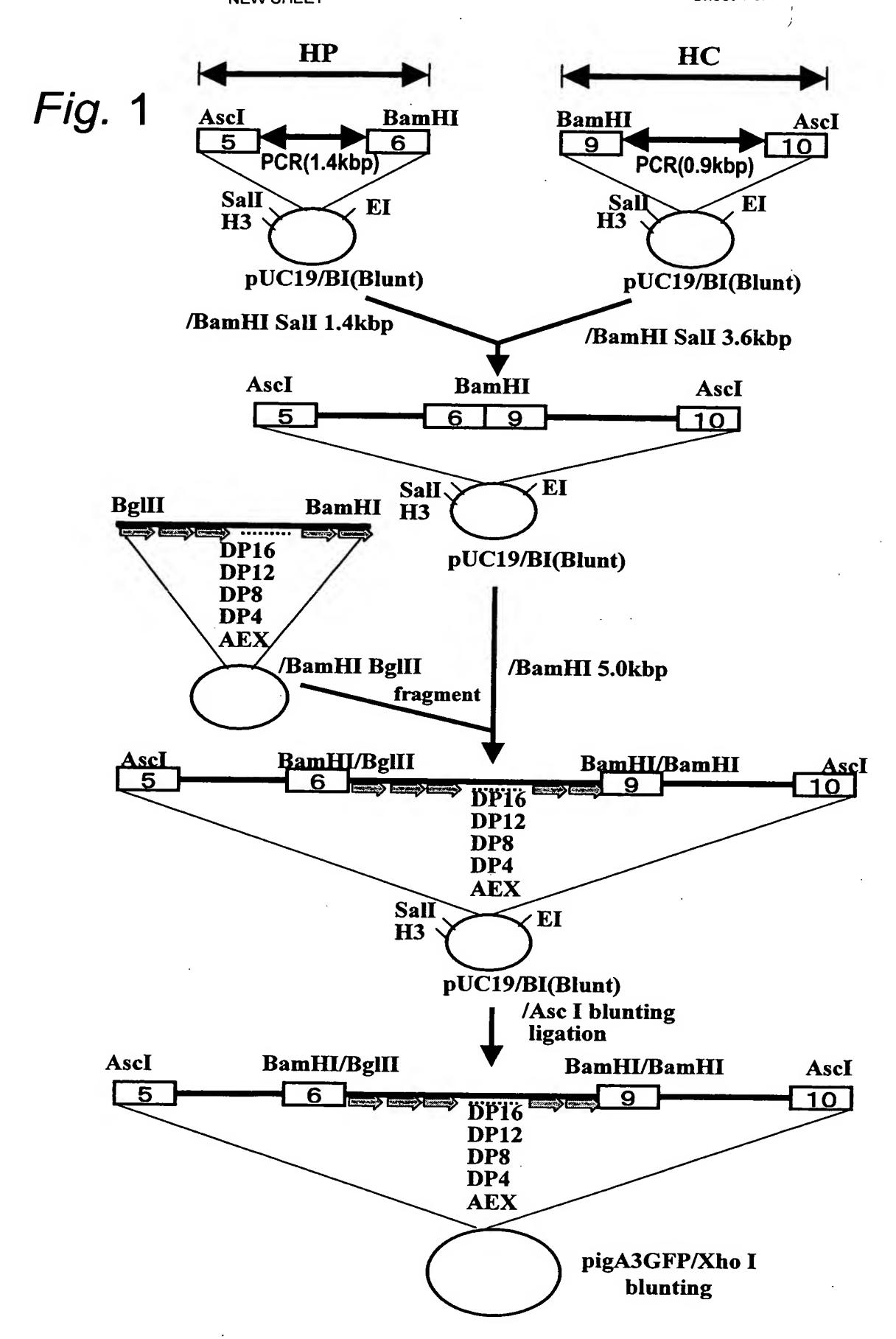
Inventor: Shingo HIRAMATSU et al.

Title: SILK THREAD CONTAINING SPIDER THREAD PROTEIN AND SILK

WORM PRODUCING THE SILK, etc.

NEW SHEET

Sheet 1 of 7



App No.: NEW Docket No.: 5374-0101PUS1

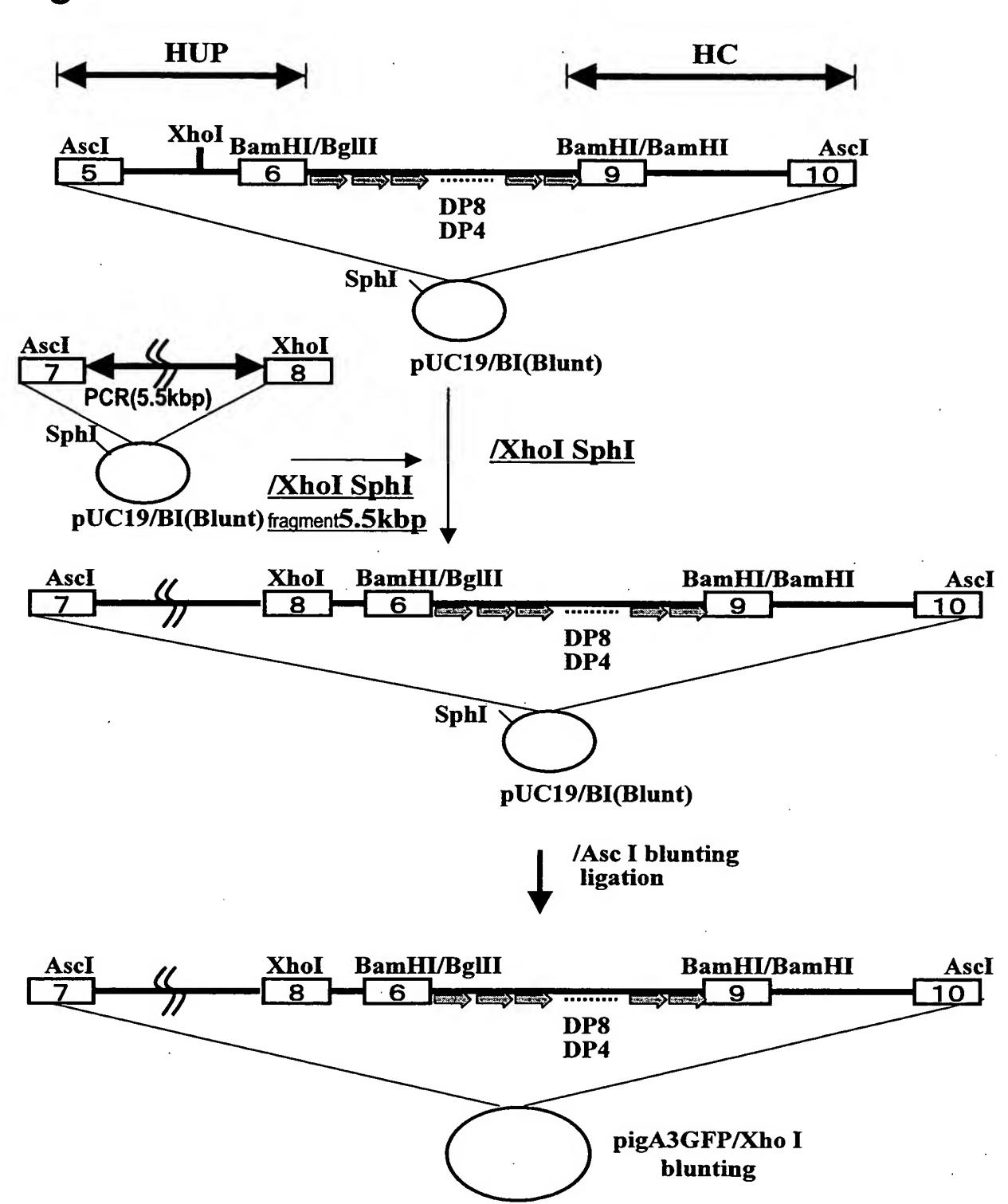
Inventor: Shingo HIRAMATSU et al.
Title: SILK THREAD CONTAINING SPIDER THREAD PROTEIN AND SILK

WORM PRODUCING THE SILK, etc.

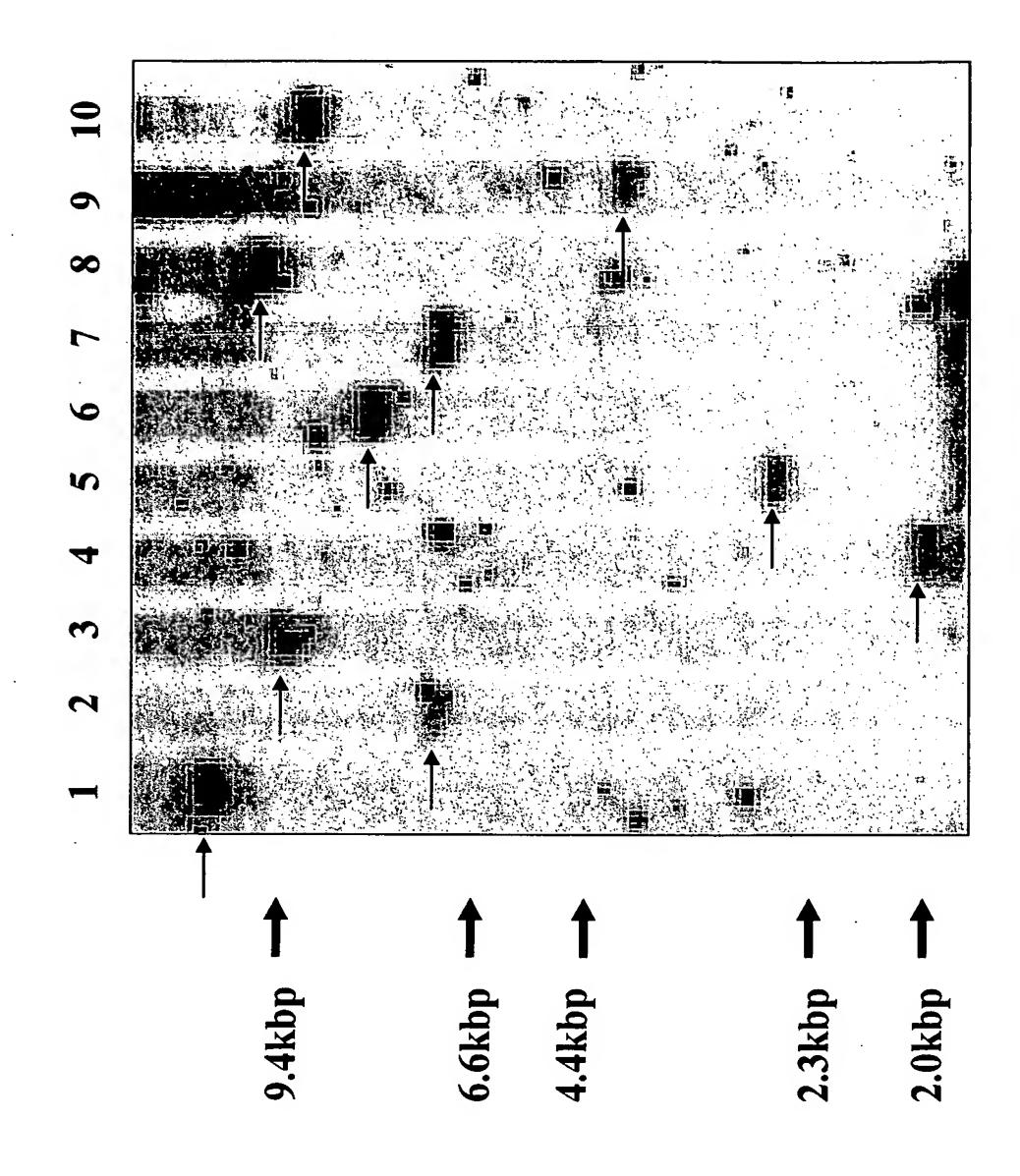
NEW SHEET

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Fig. 2



App No.: NEW
Inventor: Shingo HIRAMATSU et al.
Title: SILK THREAD CONTAINING SPIDER THREAD PROTEIN AND SILK
WORM PRODUCING THE SILK, etc.
NEW SHEET
Sheet 3 of 7



Western

blotting(A

staining

HPAEX

HPAEX

HPDP16

PDP8

田

HPDP4

HPDP16

HPDP8

HPDP4

135kDa

72kDa

DP8

38kDa

blotting(DP

Western

Silver staining

BEST AVAILABLE COPY

App No.: NEW

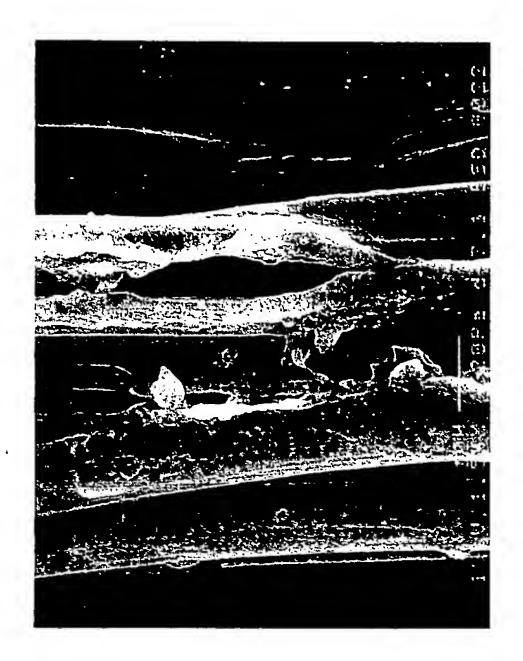
Inventor: Shingo HIRAMATSU et al.
Title: SILK THREAD CONTAINING SPIDER THREAD PROTEIN AND SILK

WORM PRODUCING THE SILK, etc.

NEW SHEET

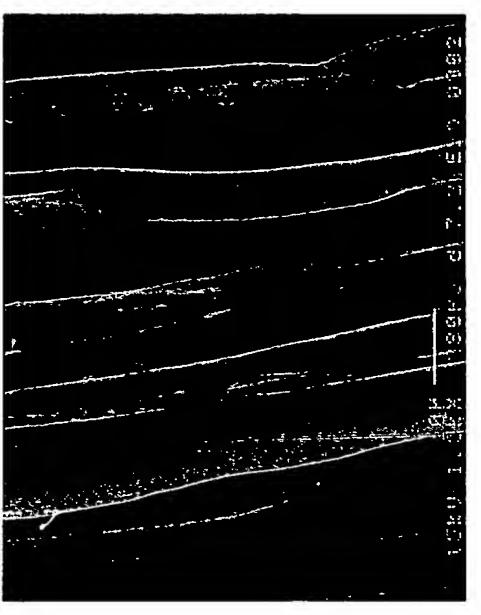
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Docket No.: 5374-0101PUS1



Before degumming of HP·DP8·HC silk thread

Before degumming of non-recombinant silk thread

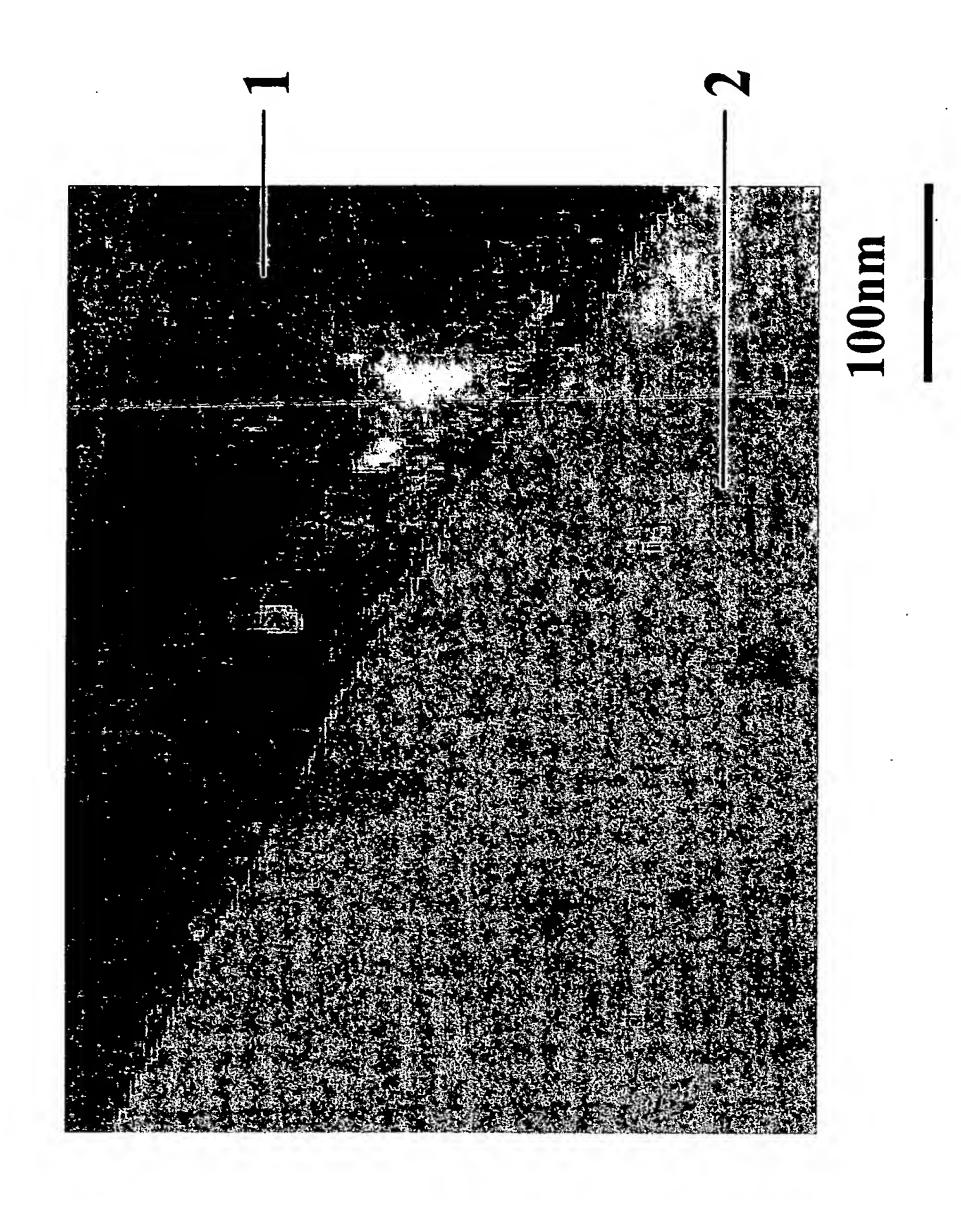


After degumming of HP·DP8·HC silk thread

After degumming of non-recombinant silk thread

App No.: NEW
Inventor: Shingo HIRAMATSU et al.
Title: SILK THREAD CONTAINING SPIDER THREAD PROTEIN AND SILK
WORM PRODUCING THE SILK, etc.
NEW SHEET

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WORM PRODUCING THE SILK, etc. Sheet 7 of 7 **NEW SHEET**

App No.: NEW
Inventor: Shingo HIRAMATSU et al.
Title: SILK THREAD CONTAINING SPIDER THREAD PROTEIN AND SILK

Docket No.: 5374-0101PUS1